

III. Gather Data

A. Change in CO₂

- Click on the CO₂ Monthly Mean site.

1. What is happening to the concentration of atmospheric CO₂?

- Click "Back" to return to Greenhouse Effect "Gather Data.1" web page.

B. Timeline

- Click on the Possible Future site.

1. If there are no efforts to stop the greenhouse effect, what is the range of possible temperature increases predicted to be by the time you are 50 years old? _____ °C to _____ °C



- Click "Back" to return to Greenhouse Effect "Gather Data.1" web page.

C. Revolutionary Problems

- Click on the Industrial Revolution site.

"PPM" means parts per million. For example, if the concentration of sulfur dioxide in the air is 25ppm, for every one million molecules in the air, 25 of them are sulfur dioxide.

1. How much has the CO₂ concentration increased since the Industrial Revolution began? _____ ppm
2. What percent increase is this? _____ %

- Click "Back" to return to Greenhouse Effect "Gather Data.1" web page.
- Click "Forward" at the bottom of the page.

D. Activities that Increase Greenhouse Gas Concentration

- Click on the "Human Activities" site.

1. What human activity has the greatest contribution toward the production of greenhouse gases? _____



2. What activities do you think are included in the energy use column?



- Click "Back" to return to Greenhouse Effect "Gather Data.2" web page.

E. Industrial Growth and Responsibility



- Click on the "Responsibility" site.

Fossil fuels are responsible for producing CO_2 .



1. What country seems to be most responsible for greenhouse gas production? _____



- Click "Back" to return to Greenhouse Effect "Gather Data.2" web page.
- Click on the Per Person CO_2 Production site.

The previous graph showed you the percent increase in use of fossil fuels since 1970. This graph shows you the actual production of CO_2 per person.



2. What country is actually most responsible for greenhouse gas production? _____

3. Approximately how many times more CO_2 is produced per person by the country in Question 2 above than is produced per person in India? _____ times as much.



- Click "Back" to return to the Greenhouse Effect "Gather Data.2" page.
- Click "Return" at the bottom of the page.
- Click "Application."